

## CLAIMS

- 1           1.       A method for treating a microbe mediated dermatological condition in  
2       an organism, said method comprising:  
3           treating an affected tissue of said organism with an agent which is capable of  
4       disrupting a microbial biofilm.
- 1           2.       The method of claim 1, wherein said agent is selected from the group  
2       consisting of: guaifenesin, cholate, deoxycholate, aldolase, pepsin, chymotrypsin,  
3       trypsin, carboxypeptidase, lipases, amylase,  $\beta$ -galactosidase, lactase,  $\alpha$ -glucosidase,  
4       sucrase, colipase, pancreatic protein, DNAase, acetylcysteine, peroxide radicals, and  
5       combinations thereof.
- 1           3.       The method of claim 1, wherein said agent comprises sonic waves.
- 1           4.       The method of claim 1, wherein said agent comprises an electrical  
2       field.
- 1           5.       The method of claim 1, including the further step of treating said  
2       affected tissue with an antimicrobial compound.

1           6.     The method of claim 5, wherein said step of treating said affected  
2     tissue with an antimicrobial compound comprises treating said tissue with said  
3     antimicrobial compound at the same time that the tissue is treated with said agent.

1           7.     The method of claim 5, wherein said step of treating said tissue with  
2     an antimicrobial compound is implemented after said tissue is treated with said agent.

1           8.     The method of claim 1, wherein said dermatological condition is  
2     selected from the group consisting of: acne, acne rosacea, and fungal infections.

1           9.     The method of claim 1, wherein said affected tissue comprises skin.

1           10.    The method of claim 1, wherein said affected tissue comprises nail  
2     tissue, and said dermatological condition comprises dermatophytoma.

1           11.    A therapeutic material for treating a microbe mediated dermatological  
2     condition in a tissue of an organism, said therapeutic material comprising:

3           a topical agent selected from the group consisting of: guaifenesin, cholate,  
4     deoxycholate, aldolase, pepsin, chymotrypsin, trypsin, carboxypeptidase, lipases,  
5     amylase,  $\beta$ -galactosidase, lactase,  $\alpha$ -glucosidase, sucrase, colipase, pancreatic protein,  
6     DNAase, acetylcysteine, peroxide radicals, and combinations thereof, said agent

7 being present in an amount sufficient to disrupt any biofilm present on the surface of  
8 said tissue; and  
9 an antimicrobial compound.

1 12. The therapeutic material of claim 11, wherein said antimicrobial  
2 compound is selected from the group consisting of antibiotics, antifungals,  
3 antiseptics, fungistatic agents, bacteriostatic agents, and combinations thereof.

1 13. The therapeutic material of claim 11, wherein said agent comprises  
2 guaifenesin.

1 14. The therapeutic material of claim 11, wherein said antimicrobial  
2 compound comprises terbinafine.

1 15. The therapeutic material of claim 11, wherein said agent comprises  
2 peroxide radicals.

1 16. The therapeutic material of claim 15, wherein said peroxide radicals  
2 comprise organic peroxide radicals.

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1           17.    The therapeutic material of claim 16, wherein said organic peroxide  
2    radicals comprise benzoyl peroxide radicals.

1           18.    The therapeutic material of claim 17, wherein said benzoyl peroxide  
2    radicals are produced by the interaction of benzoyl peroxide with an amine.

1           19.    The therapeutic material of claim 18, wherein said amine is  
2    terbinafine.